THE TECH

VOL. XXVIII. No. 27 BOSTON, MASS., MONDAY, NOVEMBER 30, 1908 PRICE THREE CENTS

DALRYMPLE WINS FRESHMEN SERIES

Third and Last 1912 Contest of the Season Held Last Saturday

TRACK OUTLOOK GOOD

Compulsory Gymnasium Work Brings Out Many to Strengthen Institute Team

Last Saturday the freshmen held their final out-door meet at the Field. The regular distances were run, and, considering the poor condition of the track, excellent times were made in all the distances. P. W. Dalrymple added 10 points to his already large score and has 40 points to his credit for the series of meets. J. Becker, Jr., is second with 37, and J. L. Bray is third with 34 points. From the result of these meets Coach Kanaly has picked the following 1912 men as the most promising for the varsity squad:—H. S. Benson, J. Becker, J. L. Bray, P. W. Dalrymple, L. S. Grant, N. G. Herreshoff, M. A. Oettinger, J. R. Park, S. E. Reed, F. J. Shepard, C. L. Tuller, and W. B. Walker.

At the meeting last Saturday Becker managed to win the most points, gathering in 19. Bray was second with 14. Becker is looked upon by Coach Kanaly as a possible point winner at the Intercollegiates next spring. He has been doing some fine work in the broad jump and if he improves as much as Kanaly hopes, he should be able to cover 21 feet with ease.

The most interesting events to the spectators were, without doubt, the 100-yard dash and the 880-yard dash. In the 100 three men came across the tape together and the judges disagreed on the result, first place was given to L. S. Grant, however, and S. E. Reed was given second.

Ten men started in the 880 and the race was close and exciting through the whole distance. Busby took the start at the gun and held the lead during the first quarter, but at this point Tuller, Shepard, and Oettinger passed him and these three men fought it out for the lead all around the back stretch. Shepard won the race by a scant 5 yards from Oettinger. J. R. Park snatched third place from Tuller right at the tape.

The mile run was easy for Benson, who ran away from the field in the last lap. The weight events and the jumps were all closely contested.

Summary:—

100-yard dash—Won by L. S. Grant; S. E. Reed, second; M. A. Oettinger, third; W. B. Walker, fourth. Time 11s.

440-yard dash—Won by F. J. Shepard; S. E. Reed, second; N. G. Herreshoff, third; F. J. Busby, fourth. Time 61s.

880-yard run—Won by F. J. Shepard; M. A. Oettinger, second; J. R. Park, third, C. L. Tuller, fourth. Time 2m. 24s.

Mile run—Won by H. S. Benson; C. L. Tuller second; F. J. Busby, third; N. G. Herreshoff, fourth. Time 5m. 19s.

220 low hurdles—Won by L. S. Grant; J. Becker, second; C. L. Tuller, third; S. E. Reed, fourth. Time 30s.

High jump—Won by P. W. Dalrymple; J. Becker, second; J. L. Bray, third; C. L. Tuller, fourth. Height 5 ft. 4 in.

Broad jump—Won by J. Becker; W.

(Continued on page 3.)

THAT PILL GRIMM

In the last issue of The Tech, in the article on the Show poster competition, the title of this year's production was wrongly given with one "m" in the last word. The title should read "That Pill Grimm," and the correct spelling must be used in all drawings submitted in order to secure consideration.

INTEREST LACKING IN SCHOOL INQUIRY

U. S. Immigration Blanks are Not Returning to Office as They Should

VALUBALE STATISTICS

Desired for Government Use—Full Co-operation of Students Is Necessary

Less than one-half of the educational inquiry blanks, sent to each student in the Institute, have been returned to the Registrar's office. These blanks were mailed by the Institute over one week ago in co-operative work with the United States Immigration Commission, which is engaged in a comprehensive inquiry as to the educational progress of immigrants and their children in this country.

Under their auspices, an inquiry is being made into the public schools of the country, with a view to ascertaining to what extent the children of foreign parentage are availing themselves of the educational opportunities offered by the public school system, colleges and higher institutions of learning.

The superintendents and principles of the different schools are showing marked interest in the collection of this data and valuable results are assured.

However, in order to reap the full fruit of investigation, data of the same character is being collected from the institutions of higher learning, 235 in number, including universities, colleges, technical and professional schools that have their location in the same cities where the public schools are being examined.

The information called for by the record cards is the name of institution, department, name of student, sex, age at last birthday, country of birth, if born abroad how many years in U. S., year in course of study in which student is registered, father and mother of student, country of birth and race. It was especially desirable when filling out the cards to make careful distinction between race and country of birth in such cases as Switzerland, Austria-Hungary, and Russia.

The results of this investigation have not been as favorable as was to be expected. The students seem to be wholly indifferent in complying with the request of the government. It is hoped, however, that those who have not already handed in the immigration blanks will do so at once. The information contained upon them is treated confidentially and is not even tabulated in the Registrar's office, but forwarded directly to the Immigration Commission at Washington.

FROTHINGHAM SPEAKS

Rev. Paul Revere Frothingham, minister of the Arlington Street Church, spoke last night to the Y. M. C. A., at the Union. His subject was, "More than Conquering." Mr. Frothingham's idea was that a man should do more than conquer and rise above difficulties and temptations, that he ought to do so with comparative ease and get some good out of the struggle. This argument he applied to the studies and student life here at the Institute.

REGISTRATION FIGURES

According to the advance pages of the December Bulletin there are 922 regular students at the Institute, 199 seniors, 210 juniors, 190 sophomores, and 323 freshmen. There are 510 specials, and 215 graduate students. There are resident fellows and 1 non-resident. Six men are candidates for the degree of Doctor of Philosophy, and 19 for that of Master of Science. In all there are 1462 students.

BASKETBALL IS WELL SUPPORTED

Many Candidates Out for Team and Excellent Squad Has Been Chosen

SECOND TEAM GOOD

Class Teams Bring Out Better Men Than Was Generally Expected Would Answer Call

With a little over a week until the first game, the outlook for a sucessful basketball season is particularly promising. The team has been working hard for a month already, an early start being necessary because of the difficulty in procuring the Gym floor for practice. From the squad of over forty that reported at the first practice to Capt. P. M. Wentworth 1909, he has succeeded in picking a fast, well balanced team to represent the Institute.

Capt. P. M. Wentworth

The forward positions are being filled by Manager W. B. Hargraves 1910, C. R. Loyd 1910, and A. F. Kendricks 1912.

Hargraves, who was a member of last year's team, is managing the team this year, and has greatly improved his game of last year, being much steadier and showing much better form than before. Loyd is a new man this year, but has had much previous experience. He excels at passing, but is also clever at basket work. Kendricks, formerly captain of the Brookline High School team, is at present the choice for the extra forward and plays a fast, snappy game, and although rather light, he is making good use of the change in the rules, which allows shooting from a dribble.

At center T. B. Parker 1911, who on last year's team alternated between center and forward, is putting up his usual high class game distinguished by quick passes and clever shooting. He is being hard pushed by F. G. Taite 1909, who although a new man on the team, had ample experience on class teams in previous years.

One of the guards, A. T. Bemis, a freshman who, although he formerly played under the A. A. A. rules, is fast catching on to the Intercollegiate game and gives promise of being a strong man because of the reliability of his eye for the basket, coupled with the speed with which he gets down the floor. Capt. P. M. Wentworth 1909, filling the other guard position, is a veteran of three year's varsity experience, and is showing up stronger than ever under the rules inaugurated this season. He is also well qualified to handle the rest of the team because of his experience as captain last year.

(Continued on page 3.)

GOOD SPEAKERS FOR C. E. SOCIETY

R. S. Weston to Open Series of Interesting Talks This Evening

GROUND WATER WORKS

The Boylston St. Bridge—Railroad Signaling—Boston Drawbridges Coming Subjects

Robert Spurr Weston's talk on ground water works, at the Civil Engineering Society dinner tonight will be the first of an interesting series of lectures arranged by the program committee for this winter.

Arrangements have been made for a talk at the next meeting by Sturgis H. Thorndike of the city engineer's office of Boston. The subject will probably be "Draw Bridges of Boston." Around the city water front, especially over the Fort Point channel, are a number of bridges which for variety and general interest are unequalled in this part of the country. The talk will be illustrated with lantern slides, and as Mr. Thorndike is well fitted to talk on this subject an interesting evening is assured.

In the near future, the reconstruction of the Boylston Street bridge, in which a peculiar condition is met in a new and interesting manner, will be explained by Frederick H. Fay of the Boston City Engineering Department.

Mr. Weston's talk this evening will be illustrated with lantern slides. Tickets for the dinner are now on sale for fifty cents, with the officers of the society.

NEW ENGINE TESTED

Results Show High Power Capacity

A test was run on the new Harriman engine by the Mechanical Engineering Department. The engine tested was one on exhibition in the Pierce laboratory, which has two rotors, a high and a low pressure, each running in a six-inch case. Three tests were run, one non-condensing, one condensing with vacuum, one condensing with superheated steam at the throttle. The Prony brake was used to measure the power developed.

When running non-condensing, steam was supplied at 101 lbs., and the engine developed 2.85 horse power, with a steam consumption of 79.8 lbs, per horse power hour.

When condensing with vacuum, an average vacuum was maintained of 25.5 inches. Steam was supplied at 111 lbs. In this run the engine developed 3.88 horse power, using 58.26 lbs. of steam per horse power hour.

When using superheated steam, 94 degrees of superheat were maintained, steam being supplied at 126 lbs. A vacuum was maintained of 23.7 inches. The engine developed 5.40 horse power on this run, using 41.34 lbs. per horse power hour, which is rather low steam consumption for such a small unit.

The engine was run with both cylinders as high pressure cylinders when the engine developed a horse power of 3.90.

CALENDAR

MONDAY, NOV. 30.

1:00 P. M.—1911 Basketball men meet in 27 Rogers.

5:00 P. M.—Meeting of board of editors in 30 C.

6:30 P. M.—C. E. dinner at Union.

7:00 P. M.—Physico-chemical colloquim in 11 Pierce.

7:30 P. M.—Y. M. C. A. vs. Tech Chess Club in Union.

WEDNESDAY, DEC. 2.

Second Year English literature examination, Courses I and X.

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Monday, November 30, 1908.

In order to decrease the amount of individual work and increase the opportunities for a greater number enjoying the work on The Tech, the news organization has been divided into three working units—one for each issue of the week. Under the new system the men on the staffs and the candidates will be required to work on but two days each week, and thus the amount of work is practically reduced to one-third what it is now. Each issue will be in charge of an associate editor, who is responsible for the complete assignment and editing of his particular issue, and he will be assisted by one or two news staff men and one-third the number of candidates.

At the same time that this scheme makes it possible to extend the advantages of experience and pleasure on the paper, it will be successful in preventing exaggerated individual work only if enough candidates are secured to do properly the necessary work. It is therefore hoped that a large number of men from all classes will recognize the advantage of the new plan and will enter at once the competition for positions on the staff. The managing editor will be glad to meet any men to whom the above appeals at the office in the Union.

The only editorial comment of our esteemed contemporary, the Somerville Journal, on the splendid appointment of Dr. Maclaurin reads:—

"Now that Tech has a Scotchman for a president, the Tech boys ought to get up a company of bagpipers."

Pitiful! is it not?

"Professor Maclaurin is a comparatively young man. His attainments are more than excellent; they are extraordinary, and few men of his years have won more flattering recognition from sources that bear the stamp of authority.

"Of course, mere scholarship, even of the highest order, is not enough to meet all the requirements of this new responsibility. His executive ability and his adaptability can be proved only by actual service. But Scotch scholars are thorough; their standards are high and shrewdness and personal tact are among their national characteristics. When Princeton called Dr. McCosh to the presidency, he was a man well along in years, but a famous metaphysician, and he filled the place with distinction. The Institute does not need metaphysicians, and the new president has not turned his researches in that direction. He has made great advances in modern science; he is learned in the principles of law and is undoubtedly an enthusiast with respect to the various lines of research with which he has been so conspicuously identified. The Institute authorities, the alumni and the public have a well-grounded hope that under his administration a new era of prosperous service will open up for this famous school."—Boston Transcript.

TECH MAN WRITES

George C. Whipple 1889, has just published a new book on typhoid fever which is regarded as a great adition to medical science. The book, entitled, "Typhoid Fever; Its Causation, Transmission, and Prevention," has an introduction by Prof. W. T. Sedgwick, who has recommended the work to his students in the biological course here at the Institute.

The current "Science" speaks of the new book as follows:—

"The publication of a work by a layman on a subject usually regarded as medical is something of an innovation, and a welcome one. It is curious that the preventable diseases, which from the prophylactic standpoint present so many aspects of a technical, but not a purely medical, character, have not been discussed more frequently by sanitarians in works, like this of Mr. Whipple, which are in a form which commends them to the general reading public. The medical profession has often been accused, and justly so, of being too secretive regarding medical affairs. There is an undoubted and salutary reaction within the profession against this policy of secretiveness, and books like Mr. Whipple's will help along this reaction.

"Mr. Whipple's work does not go into details regarding the purely clinical aspects of typhoid fever, but merely sketches this side of the disease, and relates for the most part, as the subtitle indicates, to the causation, transmission and prevention of the disease. These subjects are covered in a series of chapters dealing with the life history of the typhoid bacillus within and without the body, the lines of defense against its enrrance, statistics dealing with the distribution and epidemiology of the disease, its relation to water supplies, and a brief chapter on the financial loss caused by its prevalence. Useful appendices deal with the use of disinfectants, the role of house flies in the spread of the disease, death rates, water analysis, the viability of the germ, and the literature of the subject.

"The work differs from most of those available to the public in the simplicity of its language, which can be understood by any intelligent layman. It differs from most medical treatises on typhoid fever in the emphasis placed on the transmission and prevention of the disease, and in wealth of statistical detail available to support the various statements. We could have wished that there was more in the book concerning what has actually been acomplished in the prevention of the disease when due to contact rather than water or food transmission. Koch's work at Trier, which shows what can be done to stamp out the disease under certain circumstances, might have been quoted. Though Mr. Whipple's profession naturally impresses upon him most forcibly the dangers of water and food transmission, he recognizes the importance of contact, but does not, we believe, emphasize it so forcibly as is desirable. In the main the work is an admirable one, and worthy of the highest commendation. Professor Sedgwick's introduction is an interesting historical summary of the development of our knowledge of the disease."

MACLAURIN LECTURES

President Maclaurin is to give the Jesup lectures of Columbia University and the American Museum of Natural History at the museum, in New York, Wednesday evenings, beginning this week. The general subject will be "Light."

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BASKETBALL IS SUPPOTED

(Continued from page 1.)

As a whole the team first of all has the ability to score. Every man on the team can be depended upon to make a basket when needed. All are heavy enough to block well, a great help in the dribbling game, both offensive and defensive. Their weakest point is in their passing, and, team work in getting the ball to the forwards. This is because so many of the men are new and hence unused to the plays of the others, also because of the inconvenient times of practice which keep the men from showing up as regularly as they should; hence they do not get the team work down as fine as they might.

One detriment to the team is the absence of men of the necessary strength and experience practicing regularly on the second team to put up a consistent, strong game against the varsity squad.

Assistant Manager R. E. Schatz 1911, has charge of the second team schedule and has arranged several games with Bridgewater Normal, Harvard, and Tufts, second teams, and with some of the stronger high school fives.

The work on the second team will be much more interesting than formerly because of the games with the class teams. It is expected that the competition for places on the team will be keener than ever before.

The class teams are both well supported and many candidates showed up at practice last Saturday. The sophomores have a game arranged with the Harvard and the Tufts freshmen.

The first game of the Institute team will be played against Boston College on Wednesday Dec. 9, at the Tech Gym. Boston College always sends over a first-class aggregation, and the game promises to be interesting, not only as a game, but also as a means of judging the strength of this year's team.

With such a bright outlook for the season the Gym should be crowded to the limit on Wednesday night to start the team off with the support they deserve, and to make them realize that the whole Institute is backing them.

The revised schedule follows:—

Dec. 9—Boston College at Technology Gym.
Dec. 12—Dartmouth at Hanover.
Jan. 7—Tufts at Medford.
Jan. 9—Williams at Williamstown.
Jan. 12—Harvard at Cambridge.
Jan. 15—Lowell Textile at Lowell.
Feb. 3—Wesleyan at Middletown.
Feb. 4—Manhattan at New York.
Feb. 5—College of the City of New York.
Feb. 10—Brown at Providence.
Feb. 13—Tufts at Technology Gym.
Feb. 16—Holy Cross at Worcester.
Feb. 19—Dartmouth at the Gym.
Feb. 24—Lowell Textile at the Gym.
Feb. 27—Rhode Island State College at Providence.
March 6—New Hampshire State College at Durham.

DLRYAMPLE WINS SERIES

(Continued from page 1.)

B. Walker, second; F. J. Shepard, third; L. S. Grant, fourth. Distance 19 ft. 8 in.

Shot put—Won by J. L. Bray; J. Becker, second; P. W. Dalrymple, third; H. L. Woehling, fourth. Distance 32 ft.

Discus throw—Won by J. L. Bray; H. S. Benson, second; J. Becker, third; P. W. Dalrymple, fourth. Distance 91 ft.

Hammer throw—Won by H. S. Benson; J. Becker, second; J. L. Bray, third; P. W. Dalrymple, fourth. Distance 76 ft.

Individual scores—J. Becker, 19 points; J. L. Bray, 14; H. S. Benson, 13; F. J. Shepard, 12; L. S. Grant, 11.

Individual scores for series—P. W. Dalrymple, 40 points; J. Becker, Jr., 37; J. L. Bray, 34; S. E. Reed, 29; H. S. Benson, 25; M. A. Oettinger, 21; C. L. Tuller, 19.

WILL ELECT CAPTAIN

A captain for the sophomore baseball team will be chosen at a meeting of the men who played in the class series last year. McLaughlin, Odell, DeFlorenz, Williams, O'Neil, Parker, Shatz, Hopkins, Kenney, and Cowee have the privilege of choosing the leader.

The meeting will be held in 27 Rogers, at 1 o'clock this afternoon.

Spencer, last year's manager has not returned to the Institute, but T. W. McLaughlin, captain of the squad, will be back in the game.

SCHOOLBOYS TO RUN

Under the auspices of Technology officials, The Boston Journal will hold a cross-country race for school boys on Dec. 4. Major Frank H. Briggs, chairman of the advisory council, will act as referee, and Coach Kanaly will start the boys on their run. K. D. Fernstrom 1910, R. Ellis 1909, C. P. Eldred 1911, and J. N. Stephenson 1909, will act as judges.

A number of prizes are to be distributed among the winners. The run will start from the Field at 5:15 P. M.

MRS. RICHARDS SPEAKS

Last week Mrs. E. H. Richards of Technology, the retiring president of the association of collegiate alumnae, was tendered a reception by Miss Florence M. Cushing in honor of the event.

On Dec. 15, Mrs. Richards will address the Waltham Mothers' Club, on "The Cost of Living and How to Control it."

At the annual meeting of the Society of Naval Architects and Marine Engineers at New York last week, Prof. Cecil H. Peabody, of the Institute, was elected a member of the council.

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AND

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C. E. SUMMER SCHOOL

All but two or three of the members of the Civil Engineering Summer School, 1907, together with a number of the professors and their wives, have replied favorably to invitations to be present at a dinner and reunion to be held in the Union Wednesday evening, Dec. 2, at 7 o'clock.

NOTICES

THE TECH—Meeting of the board of editors in 30 C., at 5 P. M. today.

CLASS OF 1908—There will be a reunion of the members of the class of 1908, residing in and around Boston, at the Tech Union, Tuesday evening, Dec. 8, 1908. Important business will be brought before the meeting. All past and present members of the class are requested to be present. Dinner will be served at 7:30. Tickets are 75 cents. All who are coming are asked to leave their names at the cage.

MINING ENGINEERING SOCIETY—Next meeting Wednesday, Dec. 9, at 7:45 P. M., at the Union. Judge Murray of Boston will speak.

FENCING—Candidates for assistant manager of the fencing team leave their names for Manager Chapin at the cage on or before Monday Nov. 30.

All men willing to play in an Institute orchestra will please hand in their names and the name of the instrument they play at the cage. A meeting will be called later to see what can be done about forming an orchestra.

Among the speakers at a series of special lectures arranged by Dr. H. P. Ravenel of the department of bacteriology at the University of Wisconsin, will be Prof. William T. Sedgwick of Technology, who will speak on ventliation and water supply.

FACULTY NOTICES

CONVERSATIONAL TALKS IN GERMAN—At his next talk, Tuesday, the first of December, Dr. Schumacher, after a few remarks suplementary to his last talk, will speak about the German technical schools.

SECOND YEAR ENGLISH LITERATURE—The hour examination for Courses I and IX (Prof. Bates' section) will take place on Wednesday, Dec. 2, instead of on Friday as announced.

Mr. and Mrs. Darius Cobb of Newton Upper Falls, announce the engagement of their daughter, Edith Harriet, to Henry Earle Myers 1908, of Ashland, O.

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

LOST—Standard French Authors. Please leave at cage for Humphreville.

LOST—Notes in Index Fossils. From corner Exeter and Newbury to Union. Leave at cage for T. A. Roper.

LOST—Gold watch initialed P. D. W., in 31 Eng A; 10-11 Wednesday. Please return to P. D. W., the cage.

LOST—Pad coordinate paper with valuable plots. Reward for return to R. A. Smead, Cage.

LOST—Part of watch fob consisting of "Tech" seal, attached by a black silk ribbon, Thursday, Nov. 19. Will the finder please leave it to the cage and oblige, C. F. Piper 1910.

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